

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Canceled)

2. (Currently Amended) The receiver according to claim ~~1~~16, characterized in that the beam splitter provides an asymmetric ratio in order to send different portions of the received signal power to the first and to the at least second receiving device.

3. (Currently Amended) The receiver according to claim ~~1~~16, characterized in that the first receiver device comprises an APD diode.

4. (Currently Amended) The receiver according to claim ~~1~~16, characterized in that the at least second receiver device comprises a PIN diode.

5. (Original) The receiver according to claim 2, characterized in that the largest portion of the received signal is provided to the first receiving device.

6. (Currently Amended) The receiver according to claim 5, characterized in that the portion of the received signal which is provided to the first receiving device is between 85-98 %; preferably around 90%, of the whole received power.

7. (Currently Amended) The receiver according to claim ~~4~~16, ~~characterized in that it further comprises~~comprising a hitless switch block in turn comprising a switch logic block ~~respondent~~responsive to input power information from the first and the at least second receiving devices and to phase information from a phase comparator, the switch logic block driving ~~a~~said switch selecting a signal between the signal from the first receiving device and the signal from the at least second receiving device.

8. (Canceled)

9. (Canceled)

10. (Currently Amended) The method according to claim ~~9~~19, characterized in that the step of beam splitting comprises the step of beam splitting according to an asymmetric ratio in order to send different portions of the received signal power to the first and to the at least second receiving device.

11. (Currently Amended) The method according to claim 919, characterized in that the first receiver device comprises an APD diode and at least one second receiver device comprises a PIN diode.

12. (Currently Amended) The method according to claim 919, characterized in that the step of beam splitting comprises providing the largest portion of the received signal to the first receiving device.

13. (Currently Amended) The method according to claim 12, characterized in that the portion of the received signal which is provided to the first receiving device is between 85-98 %, preferably around 90%, of the whole received power.

14. (Currently Amended) The method according to claim 919, ~~characterized by~~ wherein said switching step comprises selecting a signal between the signal from the first receiving device and the signal from the at least one second receiving device according to phase information from a phase comparator and according to signal received power information.

15. (Canceled)

16. (New) A receiver for receiving a light beam carrying a signal in a free space optics telecommunication system, the receiver comprising:

a first receiving device having a first saturation level and a first sensitivity;
a second receiving device having a second saturation level and a second sensitivity;
means for focusing said received light beam;
a beam splitter for splitting the focused light beam into a first portion towards the first receiving device and into a second portion towards the second receiving device; and
a switch for switching between the first receiving device and the second receiving device according to a level of said signal.

17. (New) The receiver according to claim 16, wherein said second saturation level is higher than said first saturation level.

18. (New) The receiver according to claim 16, wherein said first sensitivity is higher than said second sensitivity.

19. (New) A method for providing high dynamic range in a receiver, the receiver comprising receiver for receiving a light beam carrying a signal in a free space optics telecommunication system, the receiver comprising a first receiving device having a first saturation level and a first sensitivity, the method comprising the steps of:

providing a second receiving device having a second saturation level and a second sensitivity;
focusing said received light beam;

splitting the focused light beam into a first portion towards the first receiving device and into a second portion towards the second receiving device; and

switching between the first receiving device and the second receiving device according to a level of said signal.

20. (New) The receiver according to claim 19, wherein said second saturation level is higher than said first saturation level.

21. (New) The receiver according to claim 19, wherein said first sensitivity is higher than said second sensitivity.

22. (New) The receiver according to claim 5, wherein the portion of the received signal which is provided to the first receiving device is approximately 90% of the whole received power.

23. (New) The method according to claim 12, wherein the portion of the received signal which is provided to the first receiving device is approximately 90% of the whole received power.